PACE 108/137 * RCVD AT 5/25/2005 6:43:02 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729306 * CSID:2125830150 * DURATION (mm-ss):33-20 Stavrianopoulos et al., Serial No. 08/486,070 (Filed June 7, 1995)

Exhibit B [Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action) -- May 25, 2005]

EXHIBIT B

PACE 109/137 * RCVD AT 5/25/2005 6:43:02 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729306 * CSID:2125830150 * DURATION (mm-ss):33-20 Stavrianopoulos et al., Serial No. 08/486,070 (Filed June 7, 1995)

Page 1 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3144	addition of "one or more amine(s), hydroxyl(s) or epoxide(s) thereon" deletion of "directly or indirectly' addition of "to said non-porous solid support via said one or more amine(s), hydroxyl(s) or epoxide(s)" deletion of "wherein when said nucleic acidfixed in situ to said non-porous	Previously presented Claim 3150.
3145	solid support" addition of "one or more amine(s), hydroxyl(s) or epoxide(s) thereon" addition of "to said non-porous solid support via said one or more amine(s), hydroxyl(s) or epoxide(s)" addition of "at least one" addition of "has covalently attached thereto either: (i) a non-radioactive signaling moiety, or (ii) a non-radioactive bridging moiety covalently or non-covalently attached to a non-radioactive signaling moiety" deletion of "comprises at least onefixed	Ibld. See also page 2, line 29 to page 3, line 2; page 5, lines 27-33; page 6, lines 13-15; page 10, lines 2-22; page 10, line 31 to page 11, line 1; page 11, lines 5-10; page 14, lines 13-16 and lines 29-33; Examples 1 and 6; and claims 1, 5, 20 and 23-25 as originally filed.
3146	in situ to said non-porous solid support" This claim now depends from claims 3144, 3145, "3287, 3324 and 3325"	See e.g., page 10, lines 17-22 and page 22, lines 34-36.

byce (10)(33, ECAD VI 2)(5)(5002 6:43:07 bW [Esstem pshipht lime], 2AE:02b10-EEXEL-10, DNIE-81/50300, CSID:51/52830120, DNIEVILON (www-28):33-50 Stavrianopoulos et al., Serial No. 08/486,070 (Filed June 7, 1995)

Page 2 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3147	This claim now depends from claims 3144, 3145, "3287, 3324 and 3325" addition of "or plates," "a depression or," "a tube or," "a cuvette or" and "or a bead"	See e.g., the paragraph bridging pages 13 and 14; page 14, lines 19-20; page 16, lines 10-11; Examples 1-3 and 5-7; and claims 17 and 21 as originally filed.
	deletion of "or a set of said plates, wells, depressions, tubes, cuvettes or beads"	
3150	This claim now depends from claim "3287 or 3325"	See e.g., Examples 1, 5 and 6.
	deletion of "wherein said reactive sites or binding sites comprise hydroxyls or epoxides"	
3151	This claim now depends from claims 3144, 3145, "3287, 3324 or 3325"	See e.g., Examples 1-6.
3154	This claim now depends from claims 3144, 3145, "3287, 3324 or 3325"	See e.g., page 10, lines 6-16 and 26-30 and Examples 1-7.
3155	This claim now depends from claims 3144, 3145, "3287, 3324 or 3325"	ibid.
3157		See e.g., page 10, lines 31-34; page 11, lines 5-10 and page 14, lines 26-33.
	addition of "at least one"	
	deletion of "indirectly"	
	deletion of "by sandwich hybridization or by hybridization to a complementary nucleic acid"	
	addition of "and the other" strand "of said at least one double-stranded nucleic acid is hybridized to said one strand"	

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Page 3 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3158	This claim now depends from claims 3144 "or 3324"	See e.g., the paragraph bridging pages 1 and 2; page 9, lines 16-24 and page 10,
	deletion of "comprises RNA" addition of "is" DNA	lines 6-22.
3159	This claim now depends from claims 3145, "3287 or 3325" deletion of "comprises RNA or both"	ibid.
3161	addition of "is" DNA This claim now depends from claims 3145 "or 3287"	See e.g., abstract and page 9, lines 16-24.
	addition of "at least one"	
3162	This claim now depends from claims 3144 "or 3324"	See e.g., page 10, lines 6-12 and 31-34; page 11, lines 5-10 and page 14, lines 26-33.
3163	This claim now depends from claims 3144, 3145, "3287, 3324 or 3325"	See e.g., page 10, lines 17-22; page 14, lines 33-34 and claim 6 as originally filed.
3164	This claim now depends from claims 3145 "or 3287"	See e.g., page 4, last full paragraph; page 7, lines 18-22; page 11, lines 10-21; page
	deletion of "non-radioactive chemical label"	14, lines 13-19 and claims 3-4 as originally filed.
	deletion of "label or labels"	
	addition of "non-radioactive signaling moiety"	

Page 4 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3165	This claim now depends from claims 3145 "or claim 3287" deletion of "non-radioactive chemical label" addition of "non-radioactive signaling moiety" deletion of "in or through" said non-porous support addition of "from" said non-porous solid	See e.g., page 10, lines 17-22; page 14, lines 33-34 and claim 6 as originally filed. See also page 4, last full paragraph; page 7, lines 18-22; page 11, lines 10-21; page 14, lines 13-19 and claims 3-4 as originally filed.
3166	deletion of "label or labels" This claim now depends from claims 3145, "3287 or 3325" deletion of "non-radioactive chemical label" addition of "non-radioactive signaling moiety" deletion of "a colored dyea ligand"	See e.g., page 7, lines 18-22; page 14, lines 13-19 and claims 3-4 as originally filed. See also page 11, lines 24-33 and Table 1.

Page 5 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3167	This claim now depends from claims 3145, "3287 or 3325"	See e.g., page 7, lines 18-22; page 14, lines 13-19 and claims 3-4 as originally filed.
	deletion of "non-radioactive chemical label"	See also page 11, lines 16-21.
	addition of "non-radioactive signaling moiety"	
	deletion of "spectrophotometricchemiluminescent techniques"	
3168	This claim now depends from claims 3144 "or 3324"	See e.g., the paragraph bridging pages 1 and 2 and page 9, lines 16-24.
3169	This claim now depend from claims 3145, "3287 or 3325"	ibid.
3172		Previously presented Claim 3178.
	deletion of "directly or indirectly"	
	addition of "to said non-porous solid support via said one or more amine(s), hydroxyl(s) or epoxide(s)"	
	deletion of "wherein when said nucleic acidfixed in situ to said non-porous solid support"	

DYCE 141/33. ECAD VI 2/32/3002 9:43:05 bW [Esstem Daylight Lime]. 2AB:02b10=EXXE-1/0: DNIS-833002. CSID:5152830120: DNIBVION (www.secunds.com/secunds.

Page 6 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3173	addition of "which comprises one or more amine(s), hydroxyl(s) or epoxide(s) thereon" addition of "to said non-porous solid support via said one or more amine(s), hydroxyl(s) or epoxide(s)" addition of "has covalently attached thereto either: (i) a non-radioactive signaling moiety, or (ii) a non-radioactive bridging moiety covalently or non-covalently attached to a non-radioactive signaling moiety"	lbid. See also page 2, line 29 to page 3, line 2; page 5, lines 27-33; page 6, lines 13-15; page 10, lines 2-22; page 10, line 31 to page 11, line 1; page 11, lines 5-10; page 14, lines 13-16 and lines 29-33; Examples 1 and 6; and claims 1, 5, 20 and 23-25 as originally filed.
	deletion of "comprises at least onefixed in situ to said non-porous solid support"	
3174	This claims now depends from 3172, 3173, "3279, 3280, 3281 or 3282"	See e.g., page 10, lines 17-22 and page 22, lines 34-36.
3175	This claim now depends from 3172, 3173, "3279, 3280, 3281 or 3282" addition of "or plates," "a depression or," "a tube or," "a cuvette or" and "or a bead"	See e.g., the paragraph bridging pages 13 and 14; page 14, lines 19-20; page 16, lines 10-11; Examples 1-3 and 5-7; and claims 17 and 21 as originally filed.
	deletion of "or a set of said plates, wells, depressions, tubes, cuvettes or beads"	
3179	This claims now depends from 3172, 3173, "3279, 3280, 3281 or 3282"	See e.g., Examples 1-6.
3182		See e.g., page 10, lines 6-16 and 26-30 and Examples 1-7.
	deletion of "direct or indirect"	

byce 112/13\. ECAD VI 2/152/1500 9:43:07 bW [E98(ett D94/16]. 2AK: (120/16]. 2AK: (120/16]. 2AK: (120/16]. 2AK: (120/16). DNIVI 110N (www-28):33-50 Stavrianopoulos et al., Serial No. 08/486,070 (Filed June 7, 1995)

Page 7 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim	Description of Changes	Support in Specification/
No.	·	Previous Claim
1		Correspondence
3183	This claims now depends from 3172, 3173, "3279, 3280, 3281 or 3282"	ibid.
	deletion of "direct or indirect"	10 11-0 21 24
3185	This claim now depends from claims 3173, "3281 or 3282"	See e.g., page 10, lines 31-34; page 11, lines 5-10 and page 14, lines 26-33.
	deletion of "indirectly"	
	deletion of "by sandwich hybridization or by hybridization to a complementary nucleic acid"	
	addition of "and the other" strand "of said at least one double-stranded nucleic acid is hybridized to said one strand"	
3186	This claim now depends from claims 3172 "or 3280"	See e.g., the paragraph bridging pages 1 and 2; page 9, lines 16-24 and page 10,
	deletion of "comprises RNA"	lines 6-22.
	addition of "is" DNA	
3187		ibid.
	deletion of "comprises RNA or both"	
	addition of "is" DNA	l a la
3189	This claim now depends from claims 3173 "or 3288"	See e.g., abstract and page 9, lines 16-24.
	addition of "at least one:	
3191		See e.g., page 10, lines 17-22, page 14, lines 33-34 and claim 6 as originally filed.

byce 116/137 * RCVD AT 5/25/2005 6:43:02 PM [Eastern Daylight Time] * SVR:USPTOR * NO: 08/480 * CSID:2125830150 * DURATION (mm-45):33-20 PAGE 116/137 * RCVD AT 5/25/2005 6:43:02 PM [Eastern Daylight Time] * SVR:USPTOR * ON 18/480 * OSP * OS

Page 8 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.116 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3192	This claim now depends from claims 3173 or "3288" deletion of "non-radioactive chemical label"	See e.g., page 4, last full paragraph, page 7, lines 18-22, page 11, lines 10-21, page 14, lines 13-19 and claims 3-4 as originally filed.
	deletion of "label or labels" addition of "non-radioactive signaling moiety"	
3193	This claim now depends from claims 3173 "or 3288"	See e.g., page 10, lines 17-22, page 14, lines 33-34 and claim 6 as originally filed.
	deletion of "non-radioactive chemical label"	See also page 4, last full paragraph, page 7, lines 18-
	addition of "non-radioactive signaling moiety"	22, page 11, lines 10-21, page 14, lines 13-19 and claims 3-4 as originally filed.
	deletion of "in or through" said non- porous support	
	addition of "from" said non-porous solid support	
	deletion of "label or labels"	

DYCE 117137. RCVD AT 5/25/2005 6:43:02 PM [Eastern Daylight Time] * SVR:USPTO * DNIS:8729306 * CSID:27252005 * DURATION (mm-ss):33-20 Stavrianopoulos et al., Serial No. 08/486,070 (Filed June 7, 1995)

Page 9 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3194	This claim now depends from claims 3173, "3281 or 3282"	See e.g., page 7, lines 18-22; page 14, lines 13-19 and claims 3-4 as originally filed.
	deletion of "non-radioactive chemical label"	See also page 11, lines 24-33 and Table 1.
	addition of "non-radioactive signaling moiety"	
	deletion of "a colored dyea ligand"	
3195	This claim now depends from claims 3173, "3281 or 3282"	See e.g., page 7, lines 18-22; page 14, lines 13-19 and claims 3-4 as originally filed.
	deletion of "non-radioactive chemical label"	See also page 11, lines 16-21.
	addition of "non-radioactive signaling moiety"	
	deletion of "spectrophotometricchemiluminescent techniques"	
3197		See e.g., the paragraph bridging pages 1 and 2 and page 9, lines 16-24.
3198	deletion of "directly or indirectly"	Previously presented claim 3198.
	deletion of "wherein when said nucleic acidsfixed in situ to said non-porous solid support"	

BY Stavianopoulos et al., Serial No. 08/486,070 (Filed June 7, 1995)

Page 10 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3199	deletion of "directly or indirectly"	See e.g., page 7, lines 18-22; page 14, lines 13-19 and
	deletion of "chemical label"	claims 3-4 as originally filed.
	deletion of "and wherein when said	
	nucleic acids fixed <i>in situ</i> to said non- porous solid support"	
	addition of "signaling moiety"	
3200	This claim now depends from claims 3198, 3199, "3300, 3301, 3326 or 3327"	See e.g., page 10, lines 17-22 and page 22, lines 34-36.
3201	This claim now depends from claims 3198, 3199, "3300, 3301, 3326 or 3327"	See e.g., the paragraph bridging pages 13 and 14; page 14, lines 19-20; page 16, lines 10-11; Examples 1-3 and
	addition of "or plates," "a depression or," "a tube or," "a cuvette or" and "or a bead"	5-7; and claims 17 and 21.
	deletion of "or a set of said plates, wells, depressions, tubes, cuvettes or beads"	
3204	This claim now depends from claims "3198, 3199, 3300, 3301, 3326 or 3327"	See e.g., Examples 1, 5 and 6.
	deletion of "wherein said reactive sitesepoxides"	
3205	This claim now depends from claims 3198, 3199, "3300, 3301, 3326 or 3327"	See e.g., Examples 1-6.
3208	This claim now depends from claims 3198, 3199, "3300, 3301, 3326 or 3327"	See e.g., page 10, lines 6-16 and 26-30 and Examples 1-7.
	deletion of "direct or indirect"	

Enz-7(P)(C3)

DYCE (18) 13.13. ECAD VI 2/15/1500 6:43:05 bw [E924em D93/16] 2AB:102b10 ELXBE-1/0: DNI2:8153300; C2ID:51752830120. DNIVII (www.es/16) 5400 E1 2/15/1500 VI 2/15/15/1500 VI 2/15/1500 VI 2/

Page 11 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3209	This claim now depends from claims 3198, 3199, "3300, 3301, 3326 or 3327"	ibid.
'	deletion of "direct or indirect"	
3211	This claim now depends from claims 3199 "or 3301"	See e.g., page 10, lines 31-34; page 11, lines 5-10 and page 14, lines 26-33.
	deletion of "one strand"	
	addition of "the first strands"	
	deletion of "or sequences"	
	deletion of "indirectly"	
	deletion of "by sandwich hybridization or by hybridization to complementary"	
	addition of "and the other" nucleic acid strands "of said double-stranded nucleic acids are hybridized to said first strands"	
3212	This claim now depends from claims 3198 "or 3300"	See e.g., the paragraph bridging pages 1 and 2; page 9, lines 16-24 and page 10,
	deletion of "comprise RNA"	lines 6-22.
	addition of "is" DNA	
3213		fbid.
	deletion of "comprise RNA or both"	
	addition of "is" DNA	Con a shotroot and page Q
3214	This claim now depends from claims 3198 "or 3289"	See e.g., abstract and page 9, lines 16.

Enz-7(P)(C3)

PAGE 120/137 * RCVD AT 5/25/2005 6:43:02 PM [Eastern Daylight Time] * SVR:USPTO-EFXRE-1/0 * DNIS:8729306 * CSID:2125830150 * DURATION (mm-ss):33-204-S

Page 12 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Çlaim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3215	This claim now depends from claims 3199 "or 3290"	ibid.
3216	This claim now depends from claims 3198 "or 3300"	See e.g., page 10, lines 6-12 and 31-34; page 11, lines 5-10 and page 14, lines 26-33.
3217	This claim now depends from claims 3198, 3199, "3300, 3301, 3326 or 3327"	See e.g., page 10, lines 17-22, page 14, lines 33-34 and claim 6 as originally filed.
3218	This claim now depends from claims 3199 "3290"	See e.g., page 4, last full paragraph, page 7, lines 18-22, page 11, lines 10-21, page
	deletion of "chemical label"	14, lines 13-19 and claims 3-4 as originally filed.
	addition of "signaling moiety"	10 lines 17 22
3219	This claim now depends from claims 3199 "or 3290"	See e.g., page 10, lines 17-22, page 14, lines 33-34 and claim 6 as originally filed.
	deletion of "chemical label"	See also page 4, last full
	addition of "signaling moiety"	paragraph, page 7, lines 18- 22, page 11, lines 10-21, page 14, lines 13-19 and claims 3-4
	deletion of "in or through" said non- porous support	as originally filed.
	addition of "from" said non-porous solid support	
	deletion of "label or labels"	
	addition of "non-radioactive signaling moiety"	

Enz-7(P)(C3)

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Page 13 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3220	This claim now depends from claims 3199, "3301, 3326 or 3327"	See e.g., page 7, lines 18-22; page 14, lines 13-19 and claims 3-4 as originally filed.
	deletion of "chemical label"	See also page 11, lines 24-33
	addition of "signaling molety"	and Table 1.
	deletion of "a colored dyea ligand"	
3221	This claim now depends from claims 3199, "3301, 3326 or 3327"	See e.g., page 7, lines 18-22; page 14, lines 13-19 and claims 3-4 as originally filed.
	deletion of "chemical label"	See also page 11, lines 16-21.
	addition of "signaling moiety"	
	deletion of "spectrophotometricchemiluminescent techniques"	
3222	deletion of "directly or indirectly"	Previously presented claim 3222.
	deletion of "wherein when said nucleic acidsfixed in situ to said non-porous solid support"	
3223	deletion of "directly or indirectly"	See e.g., page 7, lines 18-22; page 14, lines 13-19 and
	addition of "each of"	claims 3-4 as originally filed.
	deletion of "chemical label"	
	addition of "signaling molety"	
	deletion of "and wherein when said nucleic acidsfixed in situ to said non-porous solid support"	

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Page 14 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (in Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3224	pluralization of "claims"	Previously presented claim 3224.
3227	This claim now depends from claims "3222 or 3223"	See e.g., Examples 1, 5 and 6.
	deletion of "wherein said reactive sitesepoxides"	
3228	pluralization of "claims"	Previously presented claim 3228.
3231	deletion of "direct or indirect"	Previously presented claim 3231.
3232	deletion of "direct or indirect"	Previously presented claim 3232.
3234	deletion of "one strand" addition of "the first strands"	See e.g., page 10, lines 31-34; page 11, lines 5-10 and page 14, lines 26-33.
	deletion of "indirectly"	·
	deletion of "by sandwich hybridization or by hybridization to complementary"	
	addition of "and the other" nucleic acid strands "of said double-stranded nucleic acids are hybridized to said first strands"	
3235	deletion of "comprise DNA or RNA"	See e.g., the paragraph bridging pages 1 and 2; page
	addition of "are" DNA	9, lines 16-24 and page 10, lines 6-22.
3236	deletion of "comprise DNA, RNA or both"	ibid.
	addition of "are" DNA	

byce 133/13, 8cnd at 31.7 Serial No. O8/486,070 (Filed June 7, 1995)

Page 15 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3237	deletion of "nucleic acid sequences complementary to nucleic acid sequences of interest sought to be identified, quantified or sequenced"	See e.g., the paragraph bridging pages 1 and 2.
	addition of "a gene sequence or pathogen sequence"	
3238	deletion of "a nucleic acid sequence interest sought to be identified, quantified or sequenced"	ibid.
	addition of "a gene sequence or pathogen sequence"	
3241	pluralization of "claims"	Previously presented claim 3241.
3242	deletion of "chemical label"	See e.g., page 4, last full paragraph, page 7, lines 18-
	addition of "signaling moiety"	22, page 11, lines 10-21, page 14, lines 13-19 and claims 3-4
	deletion of "label or labels"	as originally filed.
	addition of "non-radioactive signaling moiety"	

LACE 124/137 RCVD AT 5/25/2005 6:43:02 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729306 * CSID:2172830150 * DURATION (mm-ss):33-20 Stavrianopoulos et al., Serial No. 08/486,070 (Filed June 7, 1995)

Page 16 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3243	deletion of "chemical label"	See e.g., page 10, lines 17-22, page 14, lines 33-34 and claim
!	addition of "signaling moiety"	6 as originally filed.
•	deletion of "in or through" said non-	See also page 4, last full
	porous support	paragraph, page 7, lines 18- 22, page 11, lines 10-21, page
	addition of "from" said non-porous solid support	14, lines 13-19 and claims 3-4 as originally filed.
	deletion of "label or labels"	
	addition of "non-radioactive signaling moiety"	
3244	deletion of "chemical label"	See e.g., page 7, lines 18-22; page 14, lines 13-19 and
	addition of "signaling moiety"	claims 3-4 as originally filed.
	deletion of "a colored dyea ligand"	See also page 11, lines 24-33 and Table 1.
3245	deletion of "chemical label"	See e.g., page 7, lines 18-22; page 14, lines 13-19 and
	addition of "signaling moiety"	claims 3-4 as originally filed.
	deletion of	See also page 11, lines 16-21.
	"spéctrophotometricchemiluminescent techniques"	

byce 172/133. BCAD VI 2/52/5002 0:43:07 bW [Eastern Daylight Time] . SVR:USPTO-EFXRF-1/0 . DNIS:8759300 . CSID:272/500 . DURATION (mm-45):33-70
Stavrianopoulos et al., Serial No. 08/486,070 (Filed June 7, 1995)

Page 17 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3246	addition of "non-porous"	Previously presented in Claim 3251.
	addition of "one or more amine(s), hydroxyl(s) or epoxide(s) thereon" deletion of "directly or indirectly"	See also page 10, lines 17-22 and page 22, lines 34-36.
	addition of "to said non-porous solid support via said one or more amine(s), hydroxyl(s) or epoxide(s)" deletion of "wherein said single	
	strandedfixed <i>in situ</i> to said non-porous glass or plastic solid support"	
3247	addition of "one or more amine(s), hydroxyl(s) or epoxide(s) thereon" deletion of "directly or indirectly" addition of "to said non-porous solid support via said one or more amine(s), hydroxyl(s) or epoxide(s)" addition of "has covalently attached thereto either: (i) a non-radioactive signaling moiety, or (ii) a non-radioactive bridging moiety covalently or non-covalently attached to a non-radioactive signaling moiety"	ibid. See also page 2, line 29 to page 3, line 2; page 5, lines 27-33; page 6, lines 13-15; page 10, lines 2-22; page 10, line 31 to page 11, line 1; page 11, lines 5-10; page 14, lines 13-16 and lines 29-33; Examples 1 and 6; and claims 1, 5, 20 and 23-25 as originally filed.
	deletion of "comprises at least onefixed in situ to said non-porous glass or plastic solid support"	

byce 176/131. BCAD VI 2/72/3002 6:43:07 PM [Essiem Daylight Time]. SVR:USP104 PMS:872/3005 CSID:272/3005 PMGATION (mm-ss):33-70
Stavrianopoulos et al., Serial No. 08/486,070 (Filed June 7, 1995)

Page 18 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3248	addition of "non-porous"	See e.g., page 10, lines 17-22 and page 22, lines 34-36.
	addition of "or plates," "a depression or,"	
	"a tube or," "a cuvette or" and "or a	See also the paragraph
1	bead"	bridging pages 13 and 14;
		page 14, lines 19-20; page 16,
	deletion of "or a set of said plates, wells,	lines 10-11; Examples 1-3 and
	depressions, tubes, cuvettes or beads"	5-7; and claims 17 and 21.
3252	addition of "non-porous"	See e.g., page 10, lines 17-22 and page 22, lines 34-36.
5000	f #	ibid.
3253	addition of "non-porous"	ibid.
3254	addition of "non-porous" addition of "non-porous"	ibid.
3255	addition of non-porous)
	deletion of "direct or indirect"	
	addition of "glass or non-porous"	
3256	addition of "non-porous"	ibid.
	deletion of "direct or indirect"	
	addition of "glass or non-porous"	
3258	addition of "non-porous"	ibid.
	addition of "or sequence"	
3259	addition of "non-porous"	ibid.
	deletion of "or sequence comprises"	See also the paragraph bridging pages 1 and 2; page
	deletion of "or RNA"	9, lines 16-24 and page 10, lines 6-22.
	addition of "is" DNA	

Stavrianopoulos et al., Serial No. 08/486,070 (Filed June 7, 1995)

Page 19 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim
		Correspondence
3260	addition of "non-porous"	See e.g., page 10, lines 17-22 and page 22, lines 34-36.
	deletion of "or sequence comprises"	
ļ		See also the paragraph
	deletion of "RNA or both"	bridging pages 1 and 2; page 9, lines 16-24 and page 10,
	addition of "is" DNA	lines 6-22.
3261	addition of "non-porous"	See e.g., page 10, lines 17-22 and page 22, lines 34-36.
3262	addition of "non-porous"	ibid.
	addition of "at least one"	
3263	addition of "non-porous"	ibid.
3264	addition of "non-porous"	ibid.
3265	addition of "non-porous"	íbid.
	deletion of "chemical label"	See e.g., page 4, last full paragraph, page 7, lines 18-
	addition of "signaling moiety"	22, page 11, lines 10-21, page 14, lines 13-19 and claims 3-4 as originally filed.

byce (78/13), 8CAD VI 2/52/5002 0:43:05 bW [Esstem psi/ight lime], 2AB:02bIO-EEX8E-1/0. DNIS:85/5300. CRID:51/52830120. DNBVIION (mm-28):33-50
Stavrianopoulos et al., Serial No. O8/486,070 (Filed June 7, 1995)

Page 20 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3266	addition of "non-porous"	See e.g., page 10, lines 17-22, page 14, lines 33-34 and claim
	deletion of "chemical label"	6 as originally filed.
	addition of "signaling moiety"	See also page 4, last full paragraph, page 7, lines 18-
	deletion of "in or through" said non- porous support	22, page 11, lines 10-21, page 14, lines 13-19 and claims 3-4 as originally filed.
	addition of "from" said non-porous solid support	
	deletion of "label or labels"	
	addition of "non-radioactive signaling moiety"	
3267		See e.g., page 10, lines 17-22 and page 22, lines 34-36.
	deletion of "directly or indirectly"	
3268		ibid.
	deletion of "directly or indirectly"	
3271	addition of "one or more amine(s), hydroxyl(s) or epoxide(s) thereon"	See e.g., Examples 1-7.
	deletion of "directly or indirectly"	
	addition of "to said non-porous solid support via said one or more amine(s), hydroxyl(s) or epoxide(s)"	· ·
	deletion of "wherein when said nucleic acidfixed in situ to said non-porous solid support"	

byce 1731/33. ECAD VI 21721/5002 0:43:07 bW [Eastern Daylight Time]. SVR:USPTO-EFXRF-110. DNIS:8729300. CSID:2172830150. DURATION (mm-s2):33-70 Stavrianopoulos et al., Serial No. 08/486,070 (Filed June 7, 1995)

Page 21 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3272	addition of "one or more amine(s),	ibid.
	hydroxyl(s) or epoxide(s) thereon"	
	deletion of "directly or indirectly"	
	addition of "to said non-porous solid	
	support via said one or more amine(s),	
	hydroxyl(s) or epoxide(s)"	
	deletion of "wherein when said nucleic	
	acidfixed in situ to said non-porous solid support"	
3273	addition of "one or more amine(s),	ibid.
J270	hydroxyl(s) or epoxide(s) thereon"	
· 	deletion of "directly or indirectly"	
	addition of "to said non-porous solid	1
·	support via said one or more amine(s),	
	hydroxyl(s) or epoxide(s)"	
	deletion of "comprises at least onefixed	
	in situ to said non-porous solid support"	ibid.
3274	addition of "one or more amine(s),	ibia.
	hydroxyl(s) or epoxide(s) thereon"	
	deletion of "directly or indirectly"	
	addition of "to said non-porous solid	
	support via said one or more amine(s), hydroxyl(s) or epoxide(s)"	
	deletion of "wherein when said nucleic acidfixed in situ to said non-porous solid support"	

DAGE 130/137 * RCVD AT 5/25/2005 6:43:02 PM [Eastern Daylight Time] * SVR:USPTON * DNIS:8729306 * CSID:2725830150 * DURATION (mm-ss)-25-20 PMCE 130/137 * RCVD AT 5/25/2005 6:43:02 PM [Eastern Daylight Time] * SVR:USPTON * DNIS:8729306 * CSID:2725830150 * DURATION (mm-ss)-25-20 PMCE 130/137 * RCVD AT 5/25/2005 6:43:02 PMCE

Page 22 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3275	addition of "has covalently attached thereto either: (i) a non-radioactive signaling moiety, or (ii) a non-radioactive bridging moiety covalently or non-covalently attached to a non-radioactive signaling moiety" deletion of "comprises at leastor detectable"	See e.g., page 2, line 29 to page 3, line 2; page 5, lines 27-33; page 6, lines 13-15; page 10, lines 2-22; page 10, line 31 to page 11, line 1; page 11, lines 5-10; page 14, lines 13-16 and lines 29-33; Examples 1 and 6; and claims 1, 5, 20 and 23-25 as originally filed.
3276	addition of "has covalently attached thereto either: (i) a non-radioactive signaling moiety, or (ii) a non-radioactive bridging moiety covalently or non-covalently attached to a non-radioactive signaling moiety" deletion of "comprises at leastor detectable"	ibid.
3277	pluralization of "claims"	Previously presented in claim 3277.
3279	addition of "which comprises one or more amine(s), hydroxyl(s) or epoxide(s) thereon" deletion of "directly or indirectly" addition of "to said non-porous solid support via said one or more amine(s), hydroxyl(s) or epoxide(s)"	See e.g., Examples 1-7.
	deletion of "wherein when said DNAfixed in situ to said non-porous solid support"	

DYCE (31/133. BCAD YI 3/52/5002 9:43:05 bW [Esstem pshight lime]. 2AB:02b10 ELXBE-1/0. DNI2:8550309. CSID:5152830120. DDBY LION (www-s2):33-50 Stavrianopoulos et al., Serial No. 08/486,070 (Filed June 7, 1995)

Page 23 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3280	addition of "which comprises one or more amine(s), hydroxyl(s) or epoxide(s) thereon"	ibid.
	deletion of "directly or indirectly"	
	addition of "to said non-porous solid support via said one or more amine(s), hydroxyl(s) or epoxide(s)"	
	deletion of "wherein when said nucleic acidfixed in situ to said non-porous solid support"	
3281	addition of "has covalently attached thereto either: (i) a non-radioactive signaling moiety, or (ii) a non-radioactive bridging moiety covalently or non-covalently attached to a non-radioactive signaling moiety"	See e.g., page 2, line 29 to page 3, line 2; page 5, lines 27-33; page 6, lines 13-15; page 10, lines 2-22; page 10, line 31 to page 11, line 1; page 11, lines 5-10; page 14, lines 13-16 and lines 29-33;
	deletion of "comprises at leastor detectable"	Examples 1 and 6; and claims 1, 5, 20 and 23-25 as originally filed.
	deletion of "when said nucleic acid is indirectly fixed or immobilized to said non-porous solid support"	
	deletion of "indirect"	

byce (35/13) . BCAD VI 2/152/5002 0:43:05 bW [Esstem pshight lime] . 2AB:02bIO-ELXBE-1/0 . DM3:8/50300 . CSID:5/152830120 . DMBVIION (www-s2)-50 Stavrianopoulos et al., Serial No. 08/486,070 (Filed June 7, 1995)

Page 24 [Exhibit B To May 25, 2005 Amendment Under 37 C.F.R. §1.115 (In Response To The November 26, 2004 Office Action)]

Claim No.	Description of Changes	Support in Specification/ Previous Claim Correspondence
3282	addition of "has covalently attached thereto either: (i) a non-radioactive signaling moiety, or (ii) a non-radioactive bridging moiety covalently or non-covalently attached to a non-radioactive signaling moiety" deletion of "comprises at leastor detectable" deletion of "when said nucleic acid is indirectly fixed or immobilized to said non-porous solid support" deletion of "indirect"	ibid.
3283	pluralization of "claims"	Previously presented claim 3283.